

REGULATION OF HUMAN CERAMIDE KINASE

ABSTRACT OF THE INVENTION

Reagents that regulate human ceramide kinase protein activity and reagents that bind to human ceramide kinase gene products can be used to regulate intracellular signaling and consequently cell proliferation and apoptosis. Such regulation is particularly useful for treating allergies including but not limited to asthma, autoimmune diseases such as rheumatoid arthritis, inflammatory disease, transplant rejection, and cancer, particularly lymphocytic leukemias, and could be a useful target of vaccination enhancing adjuvants. Central and peripheral nervous system disorders, such as Parkinson's disease, also can be treated.